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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/581,284	10/23/2006	Per Aberg	1304-7	3128	
	7590 05/10/2014 BARRESE, LLP	EXAMINER			
1000 WOODBU			RALIS, STEPHEN J		
SUITE 405 WOODBURY, NY 11797			ART UNIT	PAPER NUMBER	
			3742		
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			05/10/2010	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/581,284	ABERG, PER	
Examiner	Art Unit	
STEPHEN J. RALIS	3742	

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The MAILING DATE of this communication appea	rs on the cover sheet with the c	orrespondence address	
THE REPLY FILED <u>23 April 2010</u> FAILS TO PLACE THIS APPL	ICATION IN CONDITION FOR AL	LOWANCE.	
1. The reply was filed after a final rejection, but prior to or on the application, applicant must timely file one of the following reapplication in condition for allowance; (2) a Notice of Appear for Continued Examination (RCE) in compliance with 37 CF periods:	eplies: (1) an amendment, affidavit al (with appeal fee) in compliance v	, or other evidence, which pla with 37 CFR 41.31; or (3) a R	aces the lequest
a) \square The period for reply expires $\underline{4}$ months from the mailing date of	f the final rejection.		
b) The period for reply expires on: (1) the mailing date of this Adno event, however, will the statutory period for reply expire late Examiner Note: If box 1 is checked, check either box (a) or (b) MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).	er than SIX MONTHS from the mailing). ONLY CHECK BOX (b) WHEN THE	date of the final rejection. FIRST REPLY WAS FILED WIT	HIN TWO
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of exte under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the sh set forth in (b) above, if checked. Any reply received by the Office later the may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	nsion and the corresponding amount o ortened statutory period for reply origi	of the fee. The appropriate externally set in the final Office action	sion fee or (2) as
 The Notice of Appeal was filed on A brief in complia filing the Notice of Appeal (37 CFR 41.37(a)), or any extens Notice of Appeal has been filed, any reply must be filed with AMENIANIA. 	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the appea	
AMENDMENTS		91 (b (1 b	
3. The proposed amendment(s) filed after a final rejection, but (a) They raise new issues that would require further cons (b) They raise the issue of new matter (see NOTE below	sideration and/or search (see NOT);	E below);	
(c) ☐ They are not deemed to place the application in bette appeal; and/or	er form for appeal by materially rec	lucing or simplifying the issue	es for
(d) They present additional claims without canceling a continuation Sheet. (See 37 CFR 1.110		cted claims.	
4. The amendments are not in compliance with 37 CFR 1.121	,	mpliant Amendment (PTOL-3	24).
5. Applicant's reply has overcome the following rejection(s):			,.
6. Newly proposed or amended claim(s) would be allo non-allowable claim(s).		imely filed amendment cance	ling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided the status of the claim(s) is (or will be) as follows:		be entered and an explanati	on of
Claim(s) allowed: Claim(s) objected to:			
Claim(s) rejected: <u>1-9 16 17 21 23 24 and 26-31</u> . Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE	before or on the data of filing a No	tion of Annual will not be onto	arad
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to over showing a good and sufficient reasons why it is necessary and approximately a second sufficient reasons.	ercome <u>all</u> rejections under appea and was not earlier presented. Se	l and/or appellant fails to pro e 37 CFR 41.33(d)(1).	
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	of the status of the claims after er	try is below or attached.	
11. The request for reconsideration has been considered but of the	does NOT place the application in	condition for allowance beca	iuse:
12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (F13. ☐ Other:	PTO/SB/08) Paper No(s)		
	/Stephen J Ralis/ Primary Examiner, Art U	nit 3742	

Continuation of 3. NOTE: The limitations of at least "pulsing between short arc welding and the short pulsing welding during a root run, and pulsing between the spray arc welding and short pulsing welding during a sealing run" and "comprising means for pulsing between short arc welding and the short pulsing welding during a root run, and pulsing between the spray arc welding and short pulsing welding during a sealing run." (emphasis on "pulsing", "pulsing between", "during a root run" and "during a sealing run") as recited in dependent claims 28 and 29 have not been previously presented and would require further consideration and/or a new search. The examiner respectfully requests that applicant direct the examiner to the disclosure for any new recited limitations to ensure no new matter has been recited.

In addition, all arguments set forth in the instant after-final amendment are well taken, however, the rejections of the claims under at least the prior art of Hsu (International Publication No. WO 03/076114 A1) in view of Aberg et al. (U.S. Patent No. 6,388,233) and Morlock (U.S. Patent No. 5,773,779) in view of Aberg et al. (U.S. Patent No. 6,388,233), both in further view of Takeuchi et al. (U.S. Patent No. 4,621,183) and Inoue et al. (Japanese Publication No. JP 2003126989A) (and variations thereof) are sustained for the reasons set forth in the final Office action.

Specifically, Hsu discloses a welding method for gas metal arc welding with continuous electrode feeding (page 1, lines 12-14; page 13, claim 1), comprising the steps of conducting spray arc welding (constant voltage spray process; page 2, lines 19-21), conducting short pulsing welding (pulsed GMAW welding process; page 2, lines 19-21), alternating cyclically between the short pulsing and the spray arc welding without intentionally extinguishing the arc in between the pulsing and spray arc welding, and pre-programming duration or time for at least one of the pulsing and spray arc welding prior to beginning (whole document). There is no recitation to how "short" or what designates how "short" the "short pulsing welding" is. Therefore, the disclosure to pulsed GMAW welding process (page 2, lines 19-21) is deemed to have pulses and the pulses a further deemed to be relatively short as designated in Figures 3, 4). Therefore, Hsu fully meets "short pulsing welding" given its broadest reasonable interpretation.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., to obtain sufficient penetration and, at the same time, prevent the weld pool from running downwardly during welding, setting of parameters to attain just the right amount of heat into the weld pool, is critical) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See In re Van Geuns, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Furthermore, Hsu disclose setting the number of counts each process occurs and then cyclically alternating to the next process. This setting of counts essentially is setting up the frequency at which the cyclic cycling occurs (page 1, lines 17-23; page 9, line 1 - page 10, line 12; see Figure 1). Therefore, Hsu fully meets "determining the duration or time for the pulsing by a frequency for cyclic alternating between the pre-programmed pulsing and spray arc welding" given its broadest reasonable interpretation.

With respect to applicant's argument to Morlock not being an automated process, the examiner respectfully disagrees. Morlock discloses a high performance digitally controlled power supply with complex, high speed waveform control (column 4, line 39 - column 5, line 36; column 10, line 35 - column 11, line 3) that controls the immediate switching between constant voltage spray welding and then an appropriately control pulsed welding process. Clearly this controller would be pre-programmed with the duration or time of each welding process event in order to automatically control the cyclically between short pulsing and the spray welding as disclosed in Figure 13 or the welding process would not perform as disclosed. Therefore, Morlock is deemed to be an automated process.

With respect to applicant's argument to "welding vertical V-joints in aluminum or stainless steel material 5-10 ram, thick without weaving, the examiner respectfully agrees. Hence why the prior art of Inoue et al. (Japanese Publication No. JP 2003126989A) was cited. NOTE: the examiner asserts that Inoue et al. was provided to applicant in the Office action, mailed 23 December 2009, as well as cited in the body of the rejections of claims 30 and 31. Furthermore, the examiner inadvertently did not include Inoue et al. (Japanese Publication No. JP 2003126989A) in the rejection statement. However, since the examiner provided a copy of Inoue et al. and the rejections of claims 30 and 31 explicitly cite both Inoue et al. and Takeuchi et al., the limitations are deemed addressed and the Office action is deemed Final.